Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/12/2017 12:01 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123660	-2	1.60	123516	1.59
Blue	F	SSC	125000	122899	-2	3.11	123217	2.89
Blue	E	FITC	23795	22729	-5	2.63	1014	10.70
Blue	D	PE	29673	29155	-2	2.13	1048	9.98
Blue	B	PerCP-Cy5-5	48943	47591	-3	3.58	1369	17.02
Blue	A	PE-Cy7	44112	43536	-2	5.28	669	36.55
Red	C	APC	54273	53137	-3	2.86	3062	9.59
Red	A	APC-Cy7	54945	53378	-3	2.83	1109	11.37
Violet	B	V450	15756	15041	-5	3.47	721	8.96
Violet	A	V500	62569	60146	-4	3.20	2671	6.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19191	3.28	614	0	N/A	N/A	Pass
Blue	F	SSC	60885	1.84	548	2	N/A	N/A	Pass
Blue	E	FITC	113	40.12	548	-2	0.0190	146	Pass
Blue	D	PE	229	30.17	547	1	0.1599	279	Pass
Blue	B	PerCP-Cy5-5	213	46.33	636	-3	0.0101	137	Pass
Blue	A	PE-Cy7	70	128.68	693	-6	0.0114	21	Pass
Red	C	APC	359	27.44	599	-1	0.0196	28	Pass
Red	A	APC-Cy7	121	41.34	576	-8	0.0054	1558	Pass
Violet	B	V450	88	42.36	466	-6	0.0430	1789	Pass
Violet	A	V500	192	23.84	493	-6	0.0132	459	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.11	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.46	13.27 - 19.91	N/A	N/A	31.08	31.35	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11550

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments